

WHAT IS CLAIMED IS:

- 1 1. A method comprising:
2 retrieving an infrastructure configuration profile;
3 retrieving an adhoc configuration profile;
4 establishing an infrastructure network connection
5 corresponding to the infrastructure configuration
6 profile using a wireless device; and
7 maintaining the infrastructure network connection
8 while concurrently communicating over an adhoc network
9 corresponding to the adhoc configuration profile using
10 the wireless device.
- 1 2. The method of claim 1 further comprising:
2 setting a watchdog timer;
3 selecting an infrastructure mode, the infrastructure
4 mode corresponding to the infrastructure configuration
5 profile;
6 detecting the expiration of the watchdog timer;
7 deselecting the infrastructure mode in response to the
8 detecting; and
9 selecting an adhoc mode, the adhoc mode corresponding
10 to the adhoc configuration profile.
- 1 3. The method of claim 2 further comprising:
2 using an infrastructure device driver to maintain the
3 infrastructure network connection while in
4 infrastructure mode;

5 using an adhoc device driver to communicate over the
6 adhoc network while in adhoc mode;
7 using a code shim as an infrastructure virtual device
8 driver while in adhoc mode; and
9 using the code shim as an adhoc virtual device driver
10 while in infrastructure mode.

1 4. The method of claim 1 wherein communicating over the
2 adhoc network is performed while the wireless device's
3 infrastructure network connection is idle.

1 5. The method of claim 1 further comprising:
2 retrieving a configuration mode bit; and
3 identifying that the configuration bit corresponds to
4 a dual mode.

1 6. The method of claim 1 further comprising:
2 polling a plurality of device drivers;
3 identifying that one of the plurality of device
4 drivers is in a ready state in response to the
5 polling; and
6 using the identified device driver to transfer data.

1 7. The method as described in claim 6 wherein the
2 identified device driver is selected from the group
3 consisting of an infrastructure device driver and an
4 adhoc device driver.

1 8. An information handling system comprising:
2 one or more processors;

3 a memory accessible by the processors;
4 one or more nonvolatile storage devices accessible by
5 the processors; and

6 a wireless communication tool for concurrently
7 communicating with a plurality of wireless networks,
8 the wireless communication tool comprising software
9 code effective to:

10 retrieve an infrastructure configuration
11 profile from one of the nonvolatile storage
12 devices;

13 retrieve an adhoc configuration profile from
14 one of the nonvolatile storage devices;

15 establish an infrastructure network
16 connection corresponding to the
17 infrastructure configuration profile using a
18 wireless device; and

19 maintain the infrastructure network
20 connection while concurrently communicating
21 over an adhoc network corresponding to the
22 adhoc configuration profile using the
23 wireless device.

1 9. The information handling system of claim 8 wherein the
2 software code is further effective to:

3 set a watchdog timer;

4 select an infrastructure mode, the infrastructure mode
5 corresponding to the infrastructure configuration
6 profile;

7 detect the expiration of the watchdog timer;
8 deselect the infrastructure mode in response to the
9 detecting; and
10 select an adhoc mode, the adhoc mode corresponding to
11 the adhoc configuration profile.

1 10. The information handling system of claim 9 wherein the
2 software code is further effective to:
3 use an infrastructure device driver to maintain the
4 infrastructure network connection while in
5 infrastructure mode;
6 use an adhoc device driver to communicate over the
7 adhoc network while in adhoc mode;
8 use a code shim as an infrastructure virtual device
9 driver while in adhoc mode; and
10 use the code shim as an adhoc virtual device driver
11 while in infrastructure mode.

1 11. The information handling system of claim 8 wherein
2 communicating over the adhoc network is performed
3 while the wireless device's infrastructure network
4 connection is idle.

1 12. The information handling system of claim 8 wherein the
2 software code is further effective to:
3 retrieve a configuration mode bit from one of the
4 nonvolatile storage devices; and
5 identify that the configuration bit corresponds to a
6 dual mode.

1 13. The information handling system of claim 8 wherein the
2 software code is further effective to:
3 poll a plurality of device drivers;
4 identify that one of the plurality of device drivers
5 is in a ready state in response to the polling; and
6 use the identified device driver to transfer data.

1 14. A program product comprising:
2 computer operable medium having computer program code,
3 the computer program code being effective to:
4 retrieve an infrastructure configuration
5 profile;
6 retrieve an adhoc configuration profile;
7 establish an infrastructure network
8 connection corresponding to the
9 infrastructure configuration profile using a
10 wireless device;
11 maintain the infrastructure network
12 connection while concurrently communicating
13 over an adhoc network corresponding to the
14 adhoc configuration profile using the
15 device.

1 15. The program product of claim 14 wherein the software
2 code is further effective to:
3 set a watchdog timer;

4 select an infrastructure mode, the infrastructure mode
5 corresponding to the infrastructure configuration
6 profile;

7 detect the expiration of the watchdog timer;

8 deselect the infrastructure mode in response to the
9 detecting; and

10 select an adhoc mode, the adhoc mode corresponding to
11 the adhoc configuration profile.

1 16. The program product of claim 15 wherein the software
2 code is further effective to:

3 use an infrastructure device driver to maintain the
4 infrastructure network connection while in
5 infrastructure mode;

6 use an adhoc device driver to communicate over the
7 adhoc network while in adhoc mode;

8 use a code shim as an infrastructure virtual device
9 driver while in adhoc mode; and

10 use the code shim as an adhoc virtual device driver
11 while in infrastructure mode.

1 17. The program product of claim 14 wherein communicating
2 over the adhoc network is performed while the wireless
3 device's infrastructure network connection is idle.

1 18. The program product of claim 14 wherein the software
2 code is further effective to:

3 retrieve a configuration mode bit; and

4 identify that the configuration bit corresponds to a
5 dual mode.

1 19. The program product of claim 14 wherein the software
2 code is further effective to:
3 poll a plurality of device drivers;
4 identify that one of the plurality of device drivers
5 is in a ready state in response to the polling; and
6 use the identified device driver to transfer data.

1 20. The program product as described in claim 19 wherein
2 the identified device driver is selected from the
3 group consisting of an infrastructure device driver
4 and an adhoc device driver.